KDHE SECTOR ASSESSMENT DECISION

SITE/FACILITY NAME: Standard Precision

Alias Site Names: CECO, National Cash Register (NCR), K-42 and West Site

Address: 4105 West Pawnee

City: Wichita County or Parish: Sedgwick State: Kansas

Refer to Report Dated: March, 2007 Report type: Unified Focused Assessment

Report Developed by: Robert Benne (KDHE)

DECISION: (1) Documented impact from radium dial operations. (2) Elevated levels of radium-226, lead, chromium, and cadmium are present in soils above RSK levels and EPA-NRC screening levels (radium-226). (3) Benzene, 1,1-dichloroethane, tetrachloroethylene, toluene, 1,1,1-trichloroethane, trichloroethylene, trimethylbenzene, and radium-226 were identified in ground water above RSK levels (or MCLs/EPA-NRC values for radium-226) attributable to the site. (4) Most of these same organic compounds were identified in subsurface soils above RSK soil to ground water concentrations. (5) Site may qualify for further CERCLA response, including a removal action. (6) Responsible party search needed.

DISCUSSION/RATIONALE: The Standard Precision facility was located at the above address in Wichita, Sedgwick County, Kansas. The facility was the location of an aircraft instrument repair shop in the 1960s and 1970s. National Cash Register (NCR) acquired the parent corporation of Standard Precision in 1968. The facility received a Kansas Radioactive Materials License with KDHE's Bureau of Air and Radiation (BAR) in 1966. The license was terminated in 1973 by NCR.

KDHE and other parties have conducted assessments in the site area. KDHE has completed a Preliminary Assessment, Site Inspection, and Expanded Site Inspection of the site under CERCLA. All phases of investigation have identified or verified a release of volatile organic compounds originating at the former Standard Precision facility. Concerns of radium-226 contamination were identified from a private party investigation conducted by the current owner/operator, CECO, in 2005. A UFA was conducted to assess contamination from radium and verify previous analytical results.

During the UFA, the maximum radium-226 laboratory detection was 5,680 pCi/g, above its EPA/NRC screening level of 5 pCi/g plus background (using the maximum site-specific background result equates to 6.09 pCi/g). Elevated levels of lead, chromium, and cadmium were also identified in soils above RSK values. Multiple volatile organic compounds were identified in subsurface soils and ground water above RSK levels. Radium-226 was identified in ground water above its EPA/NRC level.

A potentially responsible party (PRP) search will be conducted by KDHE related to the former Standard Precision facility. The site appears to qualify for further CERCLA response (remedial and removal) if a PRP is not identified to participate in a KDHE program.

Report Reviewed By:
Randolph L. Brown, KDHE/BER Signature: _____ Date: 03/27/07

Site Decision
Made by: Rick L. Bean, Chief, Remedial Section, KDHE Signature: _____ Date: 03/30/07